

Amendments to the Specification

Please replace the paragraph beginning on line 26 of page 20 with the following replacement paragraph:

-- **Figure 1A** shows an alignment of BACE DNA sequences (EMBL-AF190725.SEQ, EMBL-AF200343.SEQ, and EMBL-AF204943.SEQ), and a BACE DNA sequence of the present invention (BACE_dna.SEQ) (SEQ IDs 1-27 ~~NOs: 1-4~~), illustrating the novelty, nonobviousness and inventive step of the present invention*, **; --

Please replace the paragraph beginning on line 30 of page 20 with the following replacement paragraph:

-- **Figure 1B** shows an alignment of a BACE polypeptide sequence of the present invention (baceprot.pro) and a BACE polypeptide sequence (P56817.pro) (SEQ IDs 28-30 ~~NOs: 5-6~~), illustrating the novelty, nonobviousness and inventive step of the present invention*, **; --

Please replace the paragraph beginning on line 33 of page 20 with the following replacement paragraph:

--**Figure 2A** shows an inventive BACE polypeptide sequence encoded by a BACE nucleotide sequence of the present invention (SEQ ID 31 ~~NO: 5~~); --

Please replace the paragraph beginning on line 35 of page 20 with the following replacement paragraph:

-- **Figure 2B** shows an inventive BACE nucleotide sequence (SEQ ID 32 ~~NO: 4~~); --

Please replace the paragraph beginning on line 23 of page 21 with the following replacement paragraph:

-- **Figure 7** shows an alignment of BACE DNA sequences (e.g., Ep855444.seq, WO0100663.SEQ, and WO0123533seq25.SEQ) and a BACE DNA sequence of the present invention (BACE_dna.SEQ) (SEQ IDs 33-66 ~~NOs: 7-9 and 4~~), illustrating the novelty and nonobviousness and inventive step of the present invention*, ***; --

Please replace the paragraph beginning on line 27 of page 21 with the following replacement paragraph:

-- **Figure 8** shows an alignment of BACE amino acid sequences (e.g., WO0123533SEQ32.pro and WO0100663.PRO) and a BACE amino acid sequence of the present invention (baceprot.pro) (SEQ IDs 67-71 ~~NOs: 10-11, and 5~~), illustrating the novelty and nonobviousness and inventive step of the present invention*, ***; --